SARENS USA

INGLESIDE, TX ETHYLENE PLANT HEAVY/HIGH LOAD TRANSPORTS





Sarens group

SARENS HEAVY/HIGH LOAD TRANSPORTS

loads from the ship offloading facility at Gulf Marine Sarens USA has been contracted to move (9) heavy/high of Ingleside, TX on Hwy 361. Fabricators South Yard to the new Ethylene Plant located West

- (8) of the loads are Texas DOT permitted super loads
- In excess of 254,000 lbs in GVW
- Move on specialty hydraulically equalized transport
- Self Propelled Modular Transporters (K24)
- Prime Mover Towed Transporters (K25)
- (1) of the loads is not a Texas DOT permitted super load and is only a high load
- Moves on a 3 axle double drop trailer



HAUL ROUTE



The haul route includes three (3) primary roads; FM 1069, FM 2725 and Hwy 361. Note South FM 1069 becomes FM2725 at the junction of South Main Street.

The haul route total distance is:

FM 1069 to FM 2725 - 0.90 Miles FM 2725 to Hwy 361 - 3.45 Miles Hwy 361 to Plant - 5.62 Miles Total Distance 9.97 Miles



SCHEDULE

3471 Sarens Ingleside Ethylene Plant Heavy/High Loads

1-May-15

| No. Vessel Tag/Name Vessel Tag/Name OAH (Ibs) GVW (Ibs) OAH (Ft/In) OAH (Ft/In) OAL (Ft/In) CAL 1 C-4384 Binary Refrigerant Accumulator 324,800 488,800 21'-10" 18'-6" 94'-11 1/2" K25 10 Axle SW 2 C-4592 Dry Flare KO Drum 67,250 ~128,050 20'-0" 17'-1" ~95'-0" 3-Axle Double Drop 3 C-4270 Caustic/Water Wash Tower 566,000 944,040 22'-3 1/2" 27'-6" 166'-11" K24 DW Bolstered 4 C-4210 Ethane Feed Saturator 241,000 419,000 21'-2" 18'-6" 114'-7 1/2" K25 10 Axle w/ spacer 5 V-4390 Cold Box 549,000 339,000 24'-0 1/2" 32'-0" 79'-10 1/2" K25 W/ spacers 6 C-4310 Demethanizer 123,000 339,000 18'-6" 18'-6" 18'-5' 3/4" K25 W/ spacers 7 C-4320 Quench Tower 683,000 1,156,004 32'-7" 27'-6" 156'-5 3/4" K24 DW Bolstered 8 C-4320 Deethanizer 218,400 470,400 20'-0 1/2" 27'-6" 300 | | | | TO | TOTAL TRANSPORTED | PORTE | D | | | | | | | |
|--|------|---|-----------|-----------|-------------------|---------|-------------|-----------------------|-------|-----|------|-----------------------|---------------------|----------------------------|
| (Ibs) GVW (Ibs) (Ft/In) rigerant Accumulator 324,800 488,800 21'-10" CO Drum 67,250 ~128,050 20'-0" ater Wash Tower 566,000 944,040 22'-3 1/2" ed Saturator 241,000 419,000 21'-2" ed Saturator 549,000 843,000 24'-0 1/2" izer 123,000 339,000 18'-6" ower 683,000 1,156,004 32'-7" er 218,400 470,400 20'-0 1/2" 1492,000 2,237,000 31'-10 1/2" | | | Vessel Wt | | OAH | WAO | OAL | | Super | | High | Super High Sarens Dwg | _ | |
| rigerant Accumulator 324,800 488,800 21'-10" (O Drum 67,250 ~128,050 20'-0" ater Wash Tower 566,000 944,040 22'-3 1/2" ed Saturator 241,000 419,000 21'-2" ed Saturator 549,000 843,000 24'-0 1/2" izer 123,000 339,000 18'-6" ower 683,000 1,156,004 32'-7" er 218,400 470,400 20'-0 1/2" readinator 1492,000 2,237,000 31'-10 1/2" | S | Vessel Tag/Name | | GVW (lbs) | | (Ft/In) | (Ft/In) | Transporter Type | Load | | Load | Load # | Load | Load # |
| C-4592 Dry Flare KO Drum C-4270 Caustic/Water Wash Tower C-4270 Ethane Feed Saturator V-4390 Cold Box C-4210 Demethanizer C-4210 Quench Tower C-4220 Quench Tower C-4220 Quench Tower C-4230 Deethanizer | 4 | C 4384 Binant Boffingerant Accumulator | 324 800 | 488 800 | 21'-10" | 18-6" | 94'-11 1/2" | K25 10 Axle SW | YES | _ | YES | YES 3471-164 R0 | YES 3471-164 R0 1 | YES 3471-164 R0 1 8-Jun-15 |
| C-4592 Dry Flare KO Drum 67,250 ~128,050 20"-0" C-4270 Caustic/Water Wash Tower 566,000 944,040 22"-3 1/2" C-4210 Ethane Feed Saturator 241,000 419,000 21"-2" V-4390 Cold Box 549,000 843,000 24"-0 1/2" C-4310 Demethanizer 123,000 339,000 18"-6" C-4320 Quench Tower 683,000 1,156,004 32"-7" C-4320 Deethanizer 218,400 470,400 20"-0 1/2" C-4320 Deethanizer 1492,000 2,237,000 31"-10 1/2" | - | C-4304 Dillary Ivenigoralic Accamalator | | | 1 | | 251 211 | O And David Drop | 200 | _ | VEC | | | N/A 1 |
| C-4270 Caustic/Water Wash Tower 566,000 944,040 22'-3 1/2" C-4210 Ethane Feed Saturator 241,000 419,000 21'-2" V-4390 Cold Box 549,000 843,000 24'-0 1/2" C-4310 Demethanizer 123,000 339,000 18'-6" C-4320 Quench Tower 683,000 1,156,004 32'-7" C-4320 Deethanizer 218,400 470,400 20'-0 1/2" C-4320 Sthylene Fractionator 1 492,000 2,237,000 31'-10 1/2" | 2 | C-4592 Dry Flare KO Drum | 67,250 | , | 20'-0" | 17'-1" | ~95'-0" | 3-Axie Double Drop | N | _ | 100 | YES INN | TEO INA | NWA - |
| C-4210 Ethane Feed Saturator 241,000 419,000 21'-2" V-4390 Cold Box 549,000 843,000 24'-0 1/2" C-4310 Demethanizer 123,000 339,000 18'-6" C-4220 Quench Tower 683,000 1,156,004 32'-7" C-4320 Deethanizer 218,400 470,400 20'-0 1/2" C-4320 Tethylene Fractionator 1 492,000 2,237,000 31'-10 1/2" | w | C-4270 Caustic/Water Wash Tower | 566,000 | 944,040 | 22'-3 1/2" | 27'-6" | 166'-11" | K24 DW Bolstered | YES | | - | - | YES 34/1-168 KU 1 | - |
| V-4390 Cold Box C-4310 Demethanizer C-4220 Quench Tower C-4320 Deethanizer C-4320 Tethylene Fractionator | - 11 | C 4010 Ethane Feed Saturator | 241.000 | 419.000 | | 18'-6" | 114'-7 1/2" | K25 10 Axle w/ spacer | YES | 0) | - | - | S YES 3471-170 R0 2 | - |
| C-4310 Demethanizer C-4320 Quench Tower C-4320 Deethanizer C-4320 Fithdene Fractionator | | V 4300 Cold Box | 549 000 | 843,000 | 24'-0 1/2" | 32'-0" | 79'-10 1/2" | K24 DW | YES | 0, | | | YES 3471-174 R0 2 | |
| C-4310 Demetratilizer C-4220 Quench Tower C-4320 Deethanizer C-4340 Ethylene Fractionator | - 10 | V-14000 Cold Dox | 103 000 | 339 000 | 181-6" | 18-6" | 169'-3 1/2" | K25 w/ spacers | YES | S | - | S YES 3471-160 R2 | - | YES 3471-160 R2 |
| C-4220 Quench Tower C-4320 Deethanizer C-4340 Ethylene Fractionator | | C-40 10 Delliendinger | 100,000 | т | 2017 | 27 5 | 101 4 4/01 | KOA DIA/ Boletorod | < | 0 | - | VES 3471-166 R1 | - | VES 3471-166 R1 |
| C-4320 Deethanizer | 7 | C-4220 Quench Tower | 683,000 | | 32'-7" | 27'-6" | 178-4 1/2" | K24 DW Boistered | - | YES | ₽ | 1E3 34/1-100 N1 | 1E3 34/1-100 N1 | 1E3 34/1-100 X1 3 |
| C 4340 Ethylene Fractionator | | C 4320 Deethanizer | 218.400 | | 20'-0 1/2" | 18'-6" | 156'-5 3/4" | K25 w/ spacers | Y | YES | | | | |
| | 0 | CHOCO Contained | 1 492 000 | 2 237 000 | 31'-10 1/2" | 27'-6" | 300'-4" | K24 DW Bolstered | YES | S | | | YES 3471-176 R1 4 | |

for the nights shown and the empty transporter returns are planned for the following day or nights. Plant to deliver by 6:00 am. The loaded transports are planned The transports will start at 6:00 pm on the scheduled nights at Gulf Marine Fabricators South Yard and progress to the Ethylene



COORDINATION

Police Department escorts, civilian motor escorts, AEP Union Pacific and Texas DOT approved signal contractors approved contractors, Cable One & approved contractors, These moves will require the coordination of Sarens, Ingleside

completed by Sarens in the summer of 2014 All parties have been contacted since a haul route study was

meeting at the Ingleside City Hall on June 5th at 1:00 pm. All parties are on board and there will be a final coordination





QUESTIONS?

